

## Fig. 3

MBIN 10	+	1	•	•	•	ı	STRENGTH
THROMBIN 1/80	15 ++	20 ++	20 +	20 +	30 -	30 -	CONSISTENCY POLYMERIZATION
THROMBIN 1/40	_	2	2	2	3	Ē	TIME (SEC)
	44	+	+	+	•	•	STRENGTH
	\$	+	+	+	ı	•	CONSISTENCY
THROMBIN TH	10	15	15	51	20	30	POLYMERIZATION TIME (SEC)
	\$	4	+	+	١	•	STRENGTH
	#	‡	<b>+</b> +	+	,	ı	CONSISTENCY
THROMBIN TH	Ą	S	5	5	20	30	POLYMERIZATION TIME (SEC)
	#	‡	\$	+	+	•	STRENGTH
	#	4	44	‡	+	-	CONSISTENCY
THROMBIN TH	2	. 5	5	5	20	30	POLYMERIZATION TIME (SEC)
	<b>‡</b>	\$	\$	\$	+		STRENGTH
		1	\$	\$	<b>‡</b>	+	CONSISTENCY
Ė	2	6	ဇာ	S	20	30	POLYMERIZATION TIME (SEC)
THROMBIN 1/4	\$	4	\$	\$	+	1	STRENGTH
	‡ ‡	÷	#	*	‡	+	CONSISTENCY
F	8	8	2	8	01	30	POLYMERIZATION TIME (SEC)
	FIBRINOGEN 1/4	FIBRINOGEN 1/8	FIBRINOGEN 1/10	FIBRINOGEN 1/20	FIBRINOGEN 1/40	FIBRINOGEN 1/80	

## COMPARISON OF GROWTH FACTOR RELEASED FROM SPRAYED VERSUS NON-SPRAYED CELLS

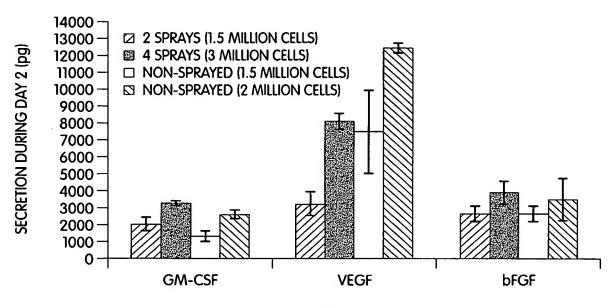


Fig. 4



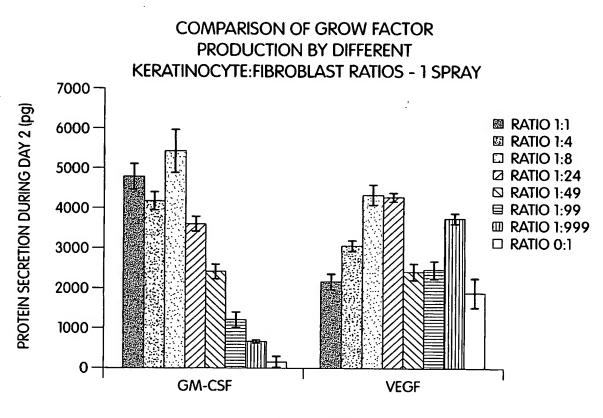


Fig. 5A

## COMPARISON OF GROWTH FACTOR PRODUCTION BY DIFFERENT KERATINOCYTE:FIBROBLAST RATIOS - 2.SPRAYS

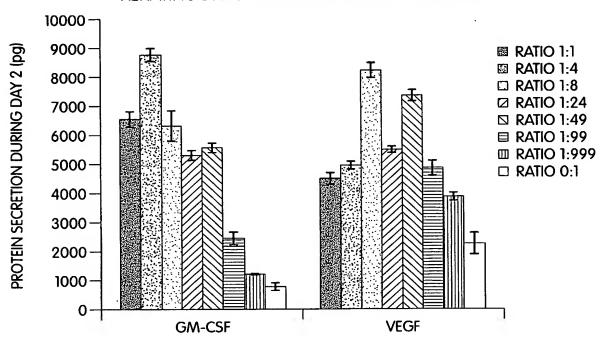


Fig. 5B

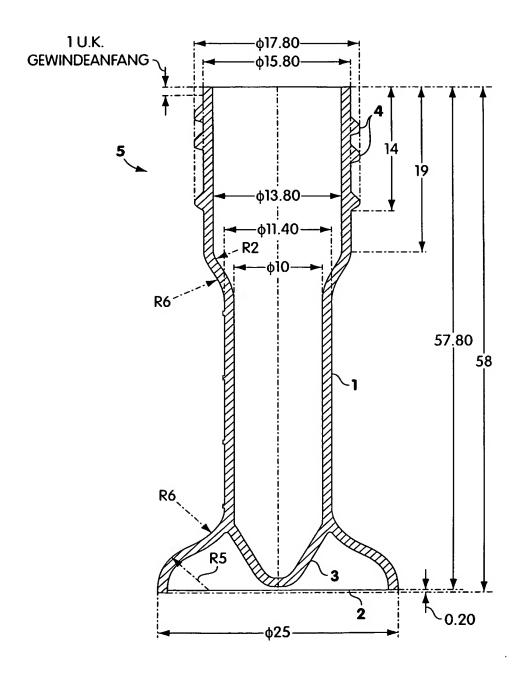


Fig. 6A

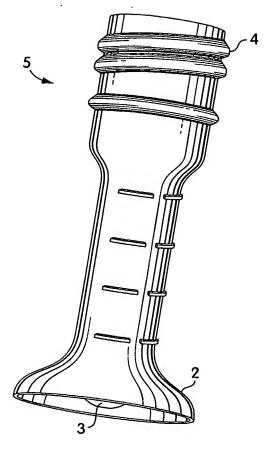
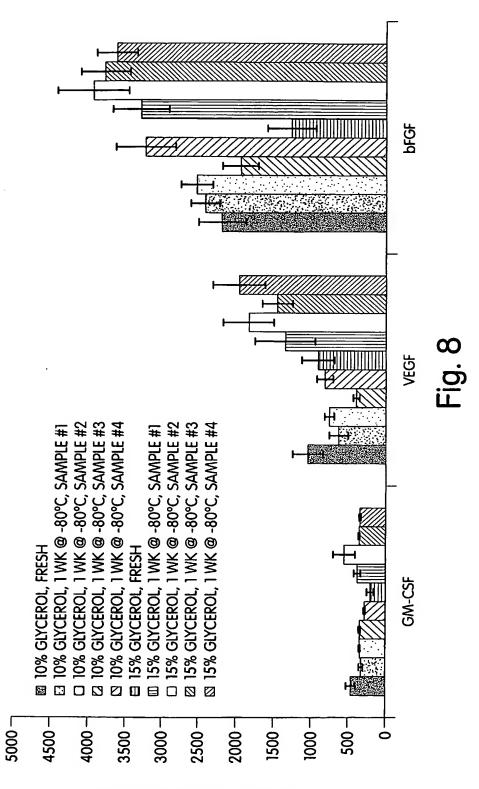


Fig. 6B

10% GLYCEROL - KERATINOCYTE:FIBROBLAST RATIO (1:1), 10 MILLION CELLS/ml, COMPARISON OF STORAGE AT -160°C VERSUS -80°C DURING 1 WEEK **bFGF** 1 SPRAY (130 ul), 24 WELL Ë G VEGF I WK @ -160°C, SAMPLE #2 I WK @ -80°C, SAMPLE #3 WK @ -80°C, SAMPLE #2 10% GLYCEROL, 1 WK @ -80°C, SAMPLE #4 WK @ -80°C, SAMPLE #1 10% GLYCEROL, 1 WK @ -160°, SAMPLE #1 図 10% GLYCEROL, FRESH GM-CSF 10% GLYCEROL, 1 10% GLYCEROL, 1 L 0009 5000 <del>|</del> 3000 0 1000 4000 2000 SECRETION DURING DAY 2 (pg)

COMPARISON OF SECRETION AFTER 1 WEEK STORAGE AT -80°C 10% GLYCEROL VERSUS 15% GLYCEROL; 10 MILLION CELLS/ml KERATINOCYTE:FIBROBLAST RATIO (1:1), 1 SPRAY (130 ul)



**SECRETION DURING DAY 2 (pg)** 

VEGF

GM-CSF

**200**-

70

Fig. 9

CRYOPRESERVATION AND 1 WEEK STORAGE OF CELL PREPARATIONS AT -80°C 15% GLYCEROL VS. 15% GLYCEROL + 5% HSA (GRIFFOLS) 10 MILLION CELLS/ml, RATIO K:F (1:3), 130 ul, 1 SPRAY E3 15% GLYCEROL, -80°C, 1 WK, #1

□ 15% GLYCEROL, -80°C, 1 WK, #2

☑ 15% GLYCEROL, -80°C, 1 WK, #3

☑ 15% GLYCEROL + %5 HSA, FRESH

Ⅲ 15% GLYCEROL + %5 HSA, -80°C, 1 WK, #1

Ⅲ 15% GLYCEROL + %5 HSA, -80°C, 1 WK, #2

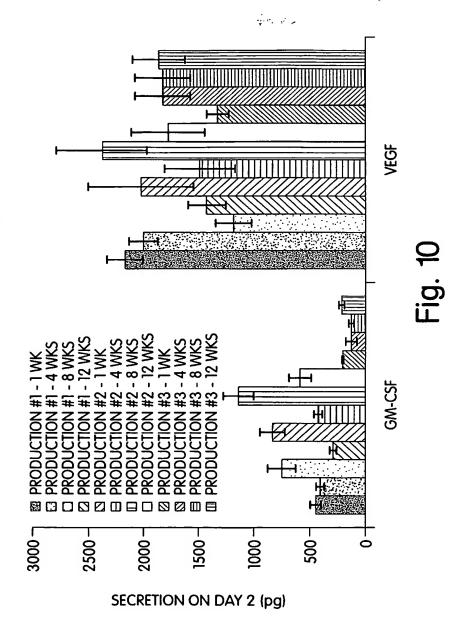
□ 15% GLYCEROL + %5 HSA, -80°C, 1 WK, #3 図 15% GLYCEROL, FRESH

SECRETION DURING DAY 2 (pg)

4500기

4000

EFFECT OF LONG-TERM STORAGE AT -80°C ON GROWTH FACTOR SECRETION FROM KERATINOCYTES AND FIBROBLASTS IN A FIBRIN MATRIX



PCT/US2003/027888

FOR 1 WEEK AT -80°C; RATIOS OF KERATINOCYTES:FIBROBLASTS (1:0, 1:1, AND 1:9) SECRETION BY THAWED CELL PREPARATIONS THAT WERE FROZEN AND STORED AT 5, 10 AND 20 MILLION CELLS/ml, 1 SPRAY (130 ul), 24 WELLS (n=15)

